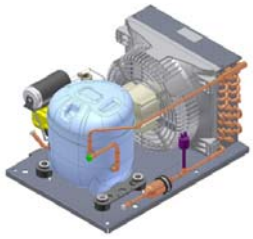
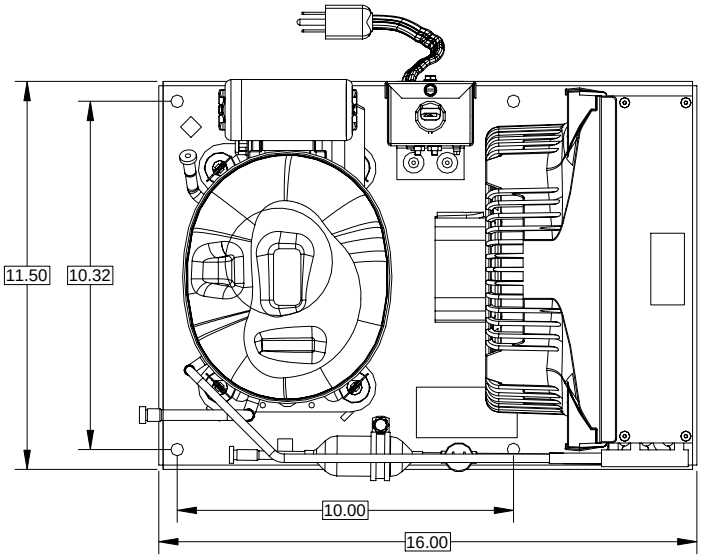
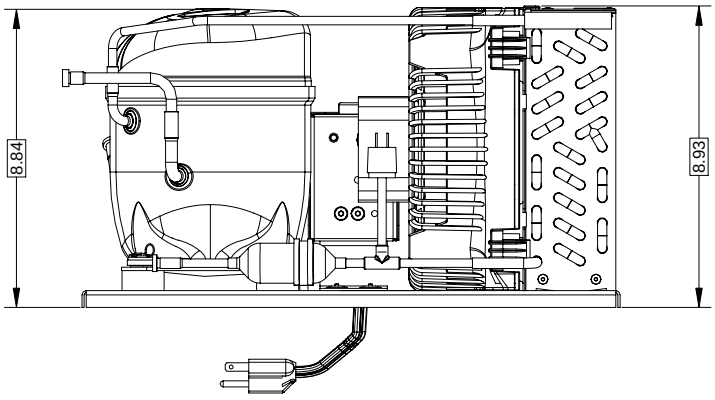
CELSEON® LOW PROFILE CONDENSING UNIT

Model	**AE4430U-AA1ACK**
BOM	**32G484-39S**
Air Cooled	**1/4 HP**
Application	**High/Commercial Temp**
Refrigerant	**R290**
Volts-Hz-Ph	**115-60-1**







AE4430U-AA1ACK	Dim. Enclosure (inch)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz.	Lbs. (kg)
	16.00	11.50	8.93	5/16"	1/4"	---	180	9.64	40.8 (18.5)

Factory charge 20 psig dry air, **MUST BE EVACUATED**
Maximum Refrigareant Charge: 150 gr

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
5	27.8	1700	260	160	94	1560	270	182	103	1450	270	206	112	1350	280	232	121
10	32.0	1900	270	164	96	1750	280	185	104	1620	290	209	113	1500	290	236	123
15	36.5	2130	280	168	97	1950	290	189	106	1800	300	213	115	1670	310	239	124
20	**41.3**	**2360**	**290**	**172**	**99**	**2160**	**300**	**193**	**108**	**1990**	**310**	**217**	**116**	**1840**	**320**	**243**	**125**
25	46.5	2610	290	177	101	2390	310	198	109	2200	320	222	118	2030	330	248	127
30	52.0	2870	300	182	103	2630	320	203	111	2420	330	227	120	2230	350	253	128
35	57.9	3140	310	188	105	2880	330	209	113	2640	350	233	122	2440	360	259	130
40	64.2	3420	320	194	108	3130	340	215	116	2880	360	239	124	2650	380	264	132

Performance @ 60 Hz, Return 65°F, SubCooling 5°F

PRELIMINARY

Parts/Specifications

Unit BOM	**32G484-39S**	Condenser	506-G434
Unit MODEL	**AE4430U-AA1ACK**	Fan Guard	116-002P
		Condenser, Fan Guard Kit	K135-02
Refrigerant	R290	Power Cord	85106-10
Refrigeration RANGE	20°F to 55°F		
Design Pressure Low	130	Fan Motor	810-141EA
Design Pressure High	450	Fan Motor RLA	0.32
Volts - HZ - Ph	115V ~ 60HZ	Fan Blade	515-021P
Voltage Range	103 - 127	Replacement Fan Motor	
Min. Circuit Ampacity	5.55	Fan Motor, Blade, Guard Assy	
Max. Fuse Size	15		
		High Pressure Switch	841-10000
Compressor MODEL	AE4430U-AA1A	Liquid Filter/Drier	704-20004
Compressor BOM	AE-1193-E		
Compressor LRA	24.5		
Compressor RLA	4.18		
OverLoad	830-10113		
Replacement Kit - O/L			
Relay	820-10037		
Replacement Kit - Relay			
Run Capacitor			
Run Capacitor Rating			
Start Capacitor	85PS165D93		
Start Capacitor Rating	270-324 MFD 165V		
Unit drawing DGU	DGU1896-G103A		
Electrical Diagram	91274